

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An object identifier reader, comprising:
a communication port for communicating with a host computing device;
a storage medium;
a processor;
a memory in electronic communication with the processor; and
instructions stored in the memory, the instructions being executable for:
reading a[[n]] first object identifier to obtain first data while the object identifier reader is not connected to the host computing device;
~~automatically determining whether to send the data to the host computing device or to store the data in the storage medium;~~ and
storing the first data in the storage medium;
reading a second object identifier to obtain second data, wherein the second object identifier is read after the first data is obtained but before the first data is sent to the host computing device; and
automatically attempting to send the stored first data in the storage medium and the second data to the host computing device in response to determining that the object identifier reader is connected to the host computing device.
2. (Currently Amended) The object identifier reader of claim 1, wherein ~~the data are stored in the storage medium and~~ at least one attempt is made to send the first data to the host computing device before the first data is stored in the storage medium.

3. (Currently Amended) The object identifier reader of claim 1, wherein, if the storage medium is empty, at least one attempt is made to send the first data to the host computing device before the first data is stored in the storage medium ~~if the storage medium is empty~~, and wherein determining that the object identifier reader is not connected to the host computing device comprises determining that the data are stored in the storage medium ~~if the~~ at least one attempt has failed ~~fails~~ or ~~[[if]]~~ determining that the storage medium is not empty.

4. (Currently Amended) The object identifier reader of claim 1, wherein at least one attempt is made to send the first data to the host computing device before the first data is stored in the storage medium, and wherein determining that the object identifier reader is not connected to the host computing device comprises determining that the data are stored in the storage medium ~~if the~~ at least one attempt has failed ~~fails~~.

5. (Currently Amended) The object identifier reader of claim 4, wherein reading the first object identifier and reading the second object identifier are ~~[[is]]~~ performed by a main task, and wherein ~~automatically determining whether to send the data to the host computing device or to store the data in the storage medium and automatically sending the stored data in the storage medium to the host computing device~~ the remaining operations are performed by a data task that executes in parallel to the main task.

6. (Currently Amended) The object identifier reader of claim 4, wherein the first data and the second data comprise an image, wherein reading the first object identifier and reading the second object identifier are ~~[[is]]~~ performed by a main task, wherein ~~automatically determining whether to send the data to the host computing device or to store the data in the storage medium and automatically sending the stored data in the storage medium to the host computing device~~ the remaining operations are performed by a data task, and wherein the main task and the data task execute sequentially.

7. (Currently Amended) The object identifier reader of claim 1, wherein the instructions are also executable for clearing the stored first data from the storage medium when the stored first data are sent to the host computing device.
8. (Previously Presented) The object identifier reader of claim 1, wherein the instructions are also executable for attempting to connect to the host computing device if the object identifier reader is not connected to the host computing device.
9. (Original) The object identifier reader of claim 1, wherein the storage medium comprises non-volatile storage.
10. (Original) The object identifier reader of claim 9, wherein the storage medium further comprises volatile storage.
11. (Currently Amended) The object identifier reader of claim 1, further comprising an additional storage medium for storing a copy of the first data and the second data as a log.
12. (Original) The object identifier reader of claim 1, further comprising saving metadata in the storage medium to differentiate buffered data from log data.
13. (Currently Amended) The object identifier reader of claim 1, wherein the instructions are also executable for disconnecting from the host computing device if the object identifier reader is connected to the host computing device and the object identifier reader does not have any data to send to the host computing device.

14. (Original) The object identifier reader of claim 1, further comprising entering a power-saving mode if the storage medium is empty or if the object identifier reader cannot connect to the host computing device after a period of time.
15. (Currently Amended) An object identifier reader, comprising:
a communication port for communicating with a host computing device;
a storage medium;
a processor;
a memory in electronic communication with the processor; and
instructions stored in the memory, the instructions being executable for:
 reading a[[n]] first object identifier to obtain first data while the object identifier reader is not connected to the host computing device;
 storing the first data in the storage medium;
 automatically determining whether the object identifier reader is connected to the host computing device and automatically attempting to connect to the host computing device [[if]] in response to determining that the object identifier reader is not connected to the host computing device; and
 reading a second object identifier to obtain second data, wherein the second object identifier is read after the first data is obtained but before the first data is sent to the host computing device; and
 automatically attempting to send the stored first data in the storage medium and the second data to the host computing device in response to determining that the object identifier reader is connected to the host computing device.

16. (Currently Amended) An object identifier reader, comprising:
a communication port for communicating with a host computing device;
a storage medium;

a processor;
a memory in electronic communication with the processor; and
instructions stored in the memory, the instructions being executable for:
reading a[[n]] first object identifier to obtain first data while the object identifier
reader is not connected to the host computing device;
~~automatically determining whether the object identifier reader is connected to the~~
~~host computing device and automatically attempting to connect to the host~~
~~computing device if the object identifier reader is not connected to the host~~
~~computing device;~~
automatically determining whether the storage medium is empty, and if the
storage medium is empty, automatically making at least one attempt to
send the first data to the host computing device;
automatically storing the first data in the storage medium if the at least one
attempt fails or if the storage medium is not empty; ~~and~~
reading a second object identifier to obtain second data, wherein the second object
identifier is read after the first data is obtained but before the first data is
sent to the host computing device; and
automatically attempting to send the stored first data in the storage medium and
the second data to the host computing device in response to determining
that the object identifier reader is connected to the host computing device.

17. (Currently Amended) An object identifier reader, comprising:
a communication port for communicating with a host computing device;
a storage medium;
a processor;
a memory in electronic communication with the processor; and
instructions stored in the memory, the instructions being executable for:

reading a[[n]] first object identifier to obtain first data while the object identifier reader is not connected to the host computing device;
~~automatically determining whether the object identifier reader is connected to the host computing device and automatically attempting to connect to the host computing device if the object identifier reader is not connected to the host computing device;~~
automatically making at least one attempt to send the first data to the host computing device;
automatically storing the first data in the storage medium if the at least one attempt fails; ~~and~~
reading a second object identifier to obtain second data, wherein the second object identifier is read after the first data is obtained but before the first data is sent to the host computing device; and
automatically attempting to send the stored first data in the storage medium and the second data to the host computing device in response to determining that the object identifier reader is connected to the host computing device.

18. (Currently Amended) In an object identifier reader, a method comprising:
reading a[[n]] first object identifier to obtain first data while the object identifier reader is not connected to the host computing device;
~~automatically determining whether to send the data to a host computing device or to store the data in a storage medium of the object identifier reader; and~~
storing the first data in the storage medium;
reading a second object identifier to obtain second data, wherein the second object identifier is read after the first data is obtained but before the first data is sent to the host computing device; and

automatically attempting to send the stored first data in the storage medium and the second data to the host computing device in response to determining that the object identifier reader is connected to the host computing device.

19. (Currently Amended) The method of claim 18, wherein ~~the data are stored in the storage medium and~~ at least one attempt is made to send the first data to the host computing device before the first data is stored in the storage medium.

20. (Currently Amended) The method of claim 18, wherein, if the storage medium is empty, at least one attempt is made to send the first data to the host computing device before the first data is stored in the storage medium ~~if the storage medium is empty~~, and wherein determining that the object identifier reader is not connected to the host computing device comprises determining that the data are stored in the storage medium if the at least one attempt has failed ~~fails~~ or [[if]] determining that the storage medium is not empty.

21. (Currently Amended) The method of claim 18, wherein at least one attempt is made to send the first data to the host computing device before the first data is stored in the storage medium, and wherein determining that the object identifier reader is not connected to the host computing device comprises determining that the data are stored in the storage medium if the at least one attempt has failed ~~fails~~.

22. (Currently Amended) The method of claim 21, wherein reading the first object identifier and reading the second object identifier are [[is]] performed by a main task, and wherein the other steps of the method are performed by a data task that executes in parallel to the main task.

23. (Currently Amended) The method of claim 21, wherein the first data and the second data comprise an image, wherein reading the first object identifier and reading the second object

identifier are [[is]] performed by a main task, wherein the other steps of the method are performed by a data task, and wherein the main task and the data task execute sequentially.

24. (Currently Amended) The method of claim 18, further comprising clearing the stored first data from the storage medium when the stored first data are sent to the host computing device.

25. (Original) The method of claim 18, further comprising attempting to connect to the host computing device if the object identifier reader is not connected to the host computing device.

26. (Currently Amended) The method of claim 18, further comprising storing a copy of the first data and the second data as a log in an additional storage medium.

27. (Original) The method of claim 18, further comprising saving metadata in the storage medium to differentiate buffered data from log data.

28. (Currently Amended) The method of claim 18, wherein the method further comprises disconnecting from the host computing device if the object identifier reader is connected to the host computing device and the object identifier reader does not have any data to send to the host computing device.

29. (Original) The method of claim 18, further comprising entering a power-saving mode if the storage medium is empty or if the object identifier reader cannot connect to the host computing device after a period of time.

30. (Currently Amended) In an object identifier reader, a method comprising:

reading a[[n]] first object identifier to obtain first data while the object identifier reader is not connected to the host computing device;
storing the first data in a storage medium of the object identifier reader;
automatically determining whether the object identifier reader is connected to a host computing device and automatically attempting to connect to the host computing device ~~[[if]]~~ in response to determining that the object identifier reader is not connected to the host computing device; ~~and~~
reading a second object identifier to obtain second data, wherein the second object identifier is read after the first data is obtained but before the first data is sent to the host computing device; and
automatically attempting to send the stored first data in the storage medium and the second data to the host computing device in response to determining that the object identifier reader is connected to the host computing device.

31. (Currently Amended) In an object identifier reader, a method comprising:
reading a[[n]] first object identifier to obtain first data while the object identifier reader is not connected to the host computing device;
~~automatically determining whether the object identifier reader is connected to a host computing device and automatically attempting to connect to the host computing device if the object identifier reader is not connected to the host computing device;~~
automatically determining whether a storage medium of the object identifier reader is empty, and if the storage medium is empty, automatically making at least one attempt to send the first data to the host computing device;
automatically storing the first data in the storage medium if the at least one attempt fails or if the storage medium is not empty; ~~and~~

reading a second object identifier to obtain second data, wherein the second object identifier is read after the first data is obtained but before the first data is sent to the host computing device; and
automatically attempting to send the stored first data in the storage medium and the second data to the host computing device in response to determining that the object identifier reader is connected to the host computing device.

32. (Currently Amended) In an object identifier reader, a method comprising:
reading a[[n]] first object identifier to obtain first data while the object identifier reader is not connected to the host computing device;
~~automatically determining whether the object identifier reader is connected to a host computing device and automatically attempting to connect to the host computing device if the object identifier reader is not connected to the host computing device;~~
automatically making at least one attempt to send the first data to the host computing device;
automatically storing the first data in a storage medium of the object identifier reader if the at least one attempt fails; ~~and~~
reading a second object identifier to obtain second data, wherein the second object identifier is read after the first data is obtained but before the first data is sent to the host computing device; and
automatically attempting to send the stored first data in the storage medium and the second data to the host computing device in response to determining that the object identifier reader is connected to the host computing device.